

Title (en)

Reduction of AV delay for treatment of cardiac disease

Title (de)

Verringerung der AV-Verzögerung zur Behandlung von Herzerkrankungen

Title (fr)

Réduction du retard AV pour le traitement d'une cardiopathie

Publication

EP 2520328 A3 20130116 (EN)

Application

EP 12178489 A 20071220

Priority

- EP 07853460 A 20071220
- US 61538306 A 20061222

Abstract (en)

[origin: US2008114407A1] An implantable pacing device for delivering ventricular pacing may be configured to intermittently reduce the AVD interval for beneficial effect in patients with compromised ventricular function (e.g., HF patients and post-MI patients). The AVD interval may be reduced in an AVD reduction mode, by shortening the AVD in an atrial triggered ventricular pacing mode or by switching to a non-atrial triggered ventricular pacing mode (e.g., VVI) and delivering paces at a rate above the intrinsic rate. The physiological effects of AVD reduction may be either positive or negative on cardiac output, depending upon the individual patient.

IPC 8 full level

A61N 1/362 (2006.01); **A61N 1/365** (2006.01); **A61N 1/368** (2006.01)

CPC (source: EP US)

A61N 1/3627 (2013.01 - EP US); **A61N 1/36521** (2013.01 - EP US); **A61N 1/36542** (2013.01 - EP US); **A61N 1/36564** (2013.01 - EP US); **A61N 1/36535** (2013.01 - EP US); **A61N 1/3688** (2013.01 - EP US)

Citation (search report)

- [A] US 2004260348 A1 20041223 - BAKKEN EARL E [US], et al
- [A] US 5919209 A 19990706 - SCHOUTEN VINCENT J A [NL]
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- [A] US 6498950 B1 20021224 - BRADLEY KERRY A [US]
- [A] US 2004030357 A1 20040212 - SALO RODNEY W [US], et al
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Designated contracting state (EPC)

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DOCDB simple family (publication)

US 2008114407 A1 20080515; US 8019416 B2 20110913; AU 2007338688 A1 20080703; AU 2007338688 B2 20110804; EP 2114523 A1 20091111; EP 2114523 B1 20130612; EP 2520328 A2 20121107; EP 2520328 A3 20130116; EP 2520328 B1 20150617; JP 2010512958 A 20100430; JP 2012213665 A 20121108; JP 5069313 B2 20121107; JP 5397872 B2 20140122; US 2011319955 A1 20111229; US 8311630 B2 20121113; WO 2008079370 A1 20080703

DOCDB simple family (application)

US 61538306 A 20061222; AU 2007338688 A 20071220; EP 07853460 A 20071220; EP 12178489 A 20071220; JP 2009542955 A 20071220; JP 2012180454 A 20120816; US 2007026235 W 20071220; US 201113229948 A 20110912